Digital
SATFINDER 4®
SATELLITE METERS

SATFINDER4 INTRODUCTION USER GUIDE AND CERTIFICATE OF GUARANTEE

CE

CONTENTS :

General Safety..……..	3
Basic Properties……..	4
Front Panel Keys……..	5
Back Panel Details……	5
Charger Adapters…….…….	6
Utilization of Satfinder4 …..……..…….	7
Satellite set-up Menu…….…….	7
Channel Scan Menu..…….……	8
Spectrum Analysis Menu…….……..……	9
Automatic Diseq-C Scan…….……..	11
Channel List…….…….……	11
Satellite Identification…….....	12
Settings Menu…….……..	12
Memory Information Menu…….……..	13
Battery Information Menu…….……..	13
Signal Level Indicator Menu...…….……..	13
Screen Colour Settings…….…….……..	14
Troubleshooting ……..……..	15
Technical Properties…….…….……..	16

GENERAL SAFETY:

Topics to be considered:

Please strictly follow the below mentioned instructions so as to prevent damage that can happen to you or your device.

Before cleaning your device, pull the power cord and turn it off via button of Power on/off and clean it with dry cloth.

Do not use accessories or additional apparatus that are not recommended by manufacturer as they may damage the device and may void the guarantee. When moving your device, protect it against impacts and falls otherwise the device may be damaged. Carry your device certainly in its bag and never carry it in boxes such as toolkit and together with the equipment that may possibly damage the device; otherwise, device will not be covered by guarantee.

Do not use your device outdoor so as to protect your device against liquid contact during rainy and snowy weather. Liquid contact may damage your device and device is not covered by guarantee.

Charge your device with recommended charging adapter and in-vehicle lighter charger. The charging devices that are not fit for utilization may damage batteries located in your device, excessive heating allows results such as explosion and you may be damaged; thus, such situations are under responsibility of user. When using charger adapters, pay attention to them to be 12 volt (middle +) supplied ones. Never leave the device ON. Batteries located in device with ON position shall lose own function in progress of time. As lifetimes of lighter charger, charger adapter and batteries may change depending on their utilization, they are not covered by guarantee.

When connecting your device with LNB, please be careful against short circuit; otherwise, LNB and your device may be damaged.

Service-related topics :

Do not attempt to repair your device on your own. When you open the cover of your device, it will not be covered by guarantee. For all services related to device, keep in contact with your seller or technical service.

BASIC PROPERTIES:

- Fast and Precise Navigation
- Memory of 10000 Channels
- 6000 TP Memory
- 250 Satellite Memories
- Spectrum Analyzer Indicator
- 3.5” Coloured TFT LCD Screen
- Manual Frequency Change
- Manual LOF Change
- Protection against short circuit
- Easy Lnb setting
- dBm and dBuV Level Indicator
- Offset deviation value
- Sharp 0502 Tuner
- Diseq-c Switch Support
- Auto Diseqc Search
- Multiswitch Support
- 6 Different language options
- Rapid charge in 3 hours
- 4-hour-long Lit-İon Battery period
- Long-lasting bag
- 10cm x 9cm x 15cm
- Signal and power level
- BER Level
- C/N Level
- Loading software and frequency from Pc via USB

Touch-sensitive Memran: Due to touch-sensitive keys in Satfinder4, allowing opportunity for easy and rapid use.

USB Port Connection: Due to USB Port connection, you can easily update software of your device and load frequency.

AV IN : Due to inputs of Audio and Video, camera can be easily connected.

Sharp 0502 Tuner: Due to Sharp Tuner, you can search signal both sensitively and rapidly.

Easy Charging: You can easily charge under all circumstances due to charger adapter and in your car due lighter charger.

3,5” TFT LCD Screen : Due to Tft LCD screen, you can see coloured image and use both during daytime and nighttime.

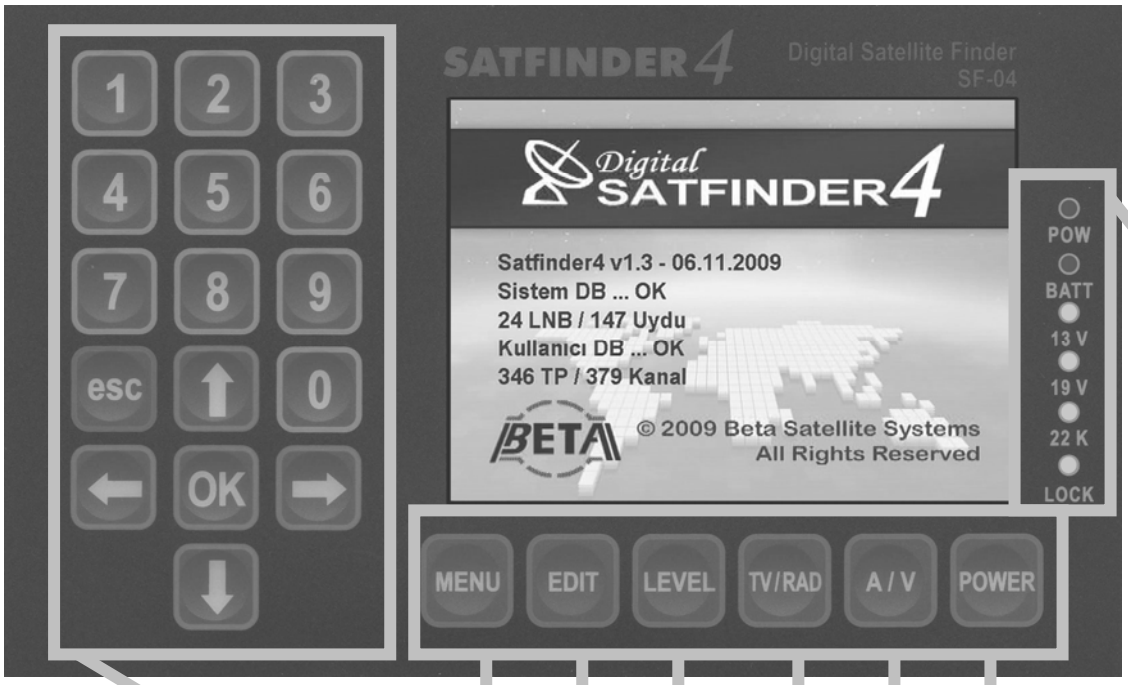
Bag: Satfinder4 is more durable due to own rigid and long-lasting bag that can be put on neck.

Automatic Satellite and Diseqc search: Due to AUTOMATIC Diseqc selection from Menu, Satfinder4 displays the satellite that you are ON.

6 different languages: Turkish – English – Russian– German – Spanish - French

IMPORTANT : Design and properties can be renewed without notice.

FRONT PANEL :



LNB AND BATTERY WARNING

DIRECTION AND DIGIT KEYS

MENÜ

EDITING

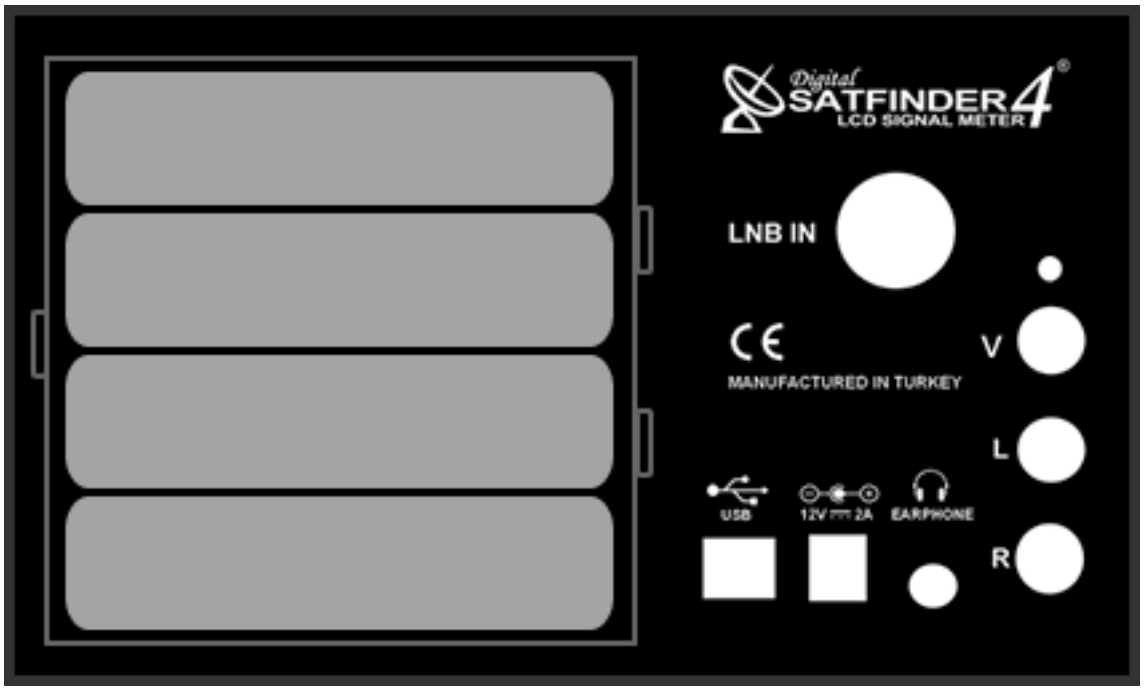
LEVEL INDICATOR

TV AND RADIO SELECTION

A/V ENTRY SELECTION

ON/OFF

BACK PANEL :



AC 220 V / 12 V DC Charger Adapter:

Due to your electrical charger adapter with 12 volt of output, you can ensure device to remain charged continuously and thanks to that, you can use your device in environments that do not have electricity. Keep charger adapter away from situations such as compression, impact and overloading. Do not open it for the purpose of repair and examination.

In-vehicle lighter charger adapter:

Due to your electrical charger adapter with 12 volt of output, you can ensure device to remain charged continuously and thanks to that, you can use your device in environments that do not have electricity. You can easily charge your device during your travel due to your lighter charger adapter in car. Keep lighter charger adapter away from situations such as compression, impact and overloading. Do not open it for the purpose of repair and examination.

USB Cable:

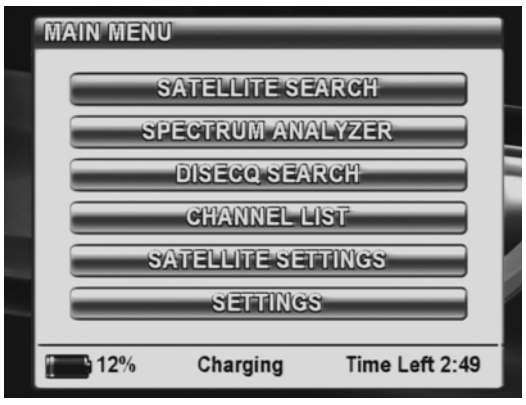
You can load software, frequency changes and various updates to your Satfinder4 device over computer via USB cable.

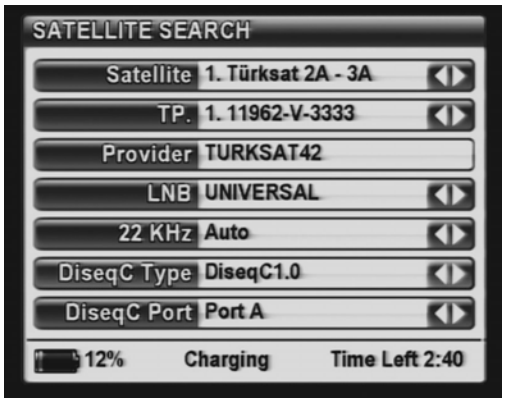
UTILIZATION OF SATFINDER4

Please turn on your SATFINDER4 device by button of POWER ON/OFF. TV/Radio channel list will display on TV broadcast Screen via OK key.

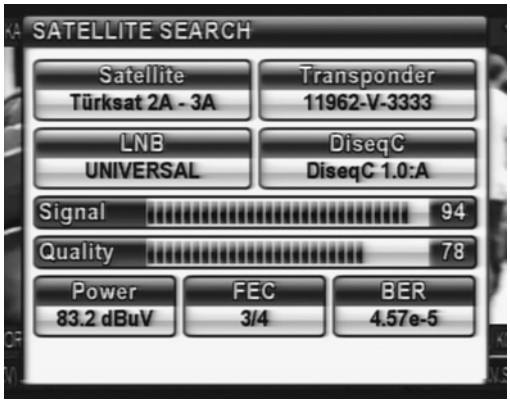
SATELLITE SEARCH MENU :

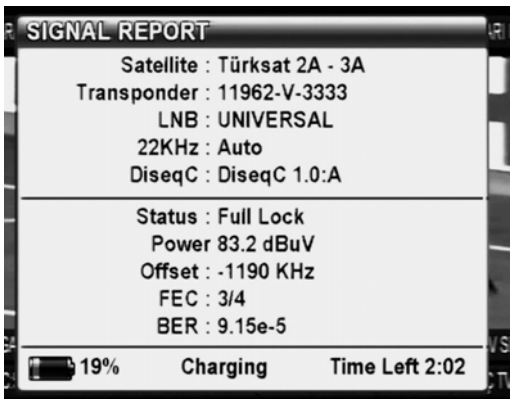
When pressing MENU key, MAIN MENU is displayed on the screen and by pressing UP/DOWN keys here, select SATELLITE SEARCH menu.





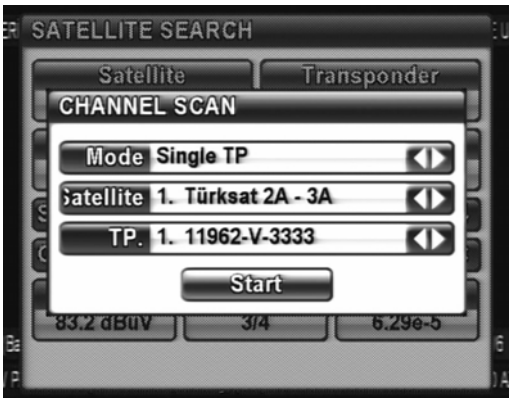
Firstly control Satellite, Inb, Diseq-c settings on SATELLITE SEARCH menu, select FREQUENCY to have a look at signal level and then press OK key and pass to signal screen. When pressing LEVEL key, you can easily see SIGNAL REPORT.

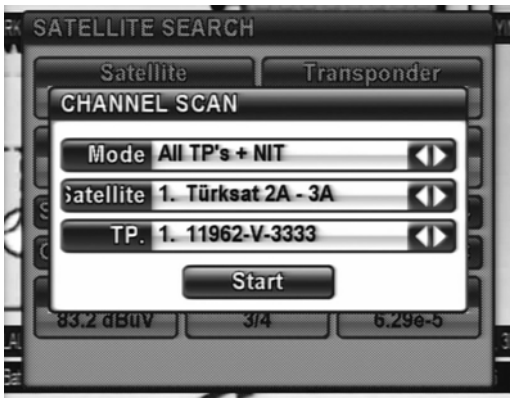




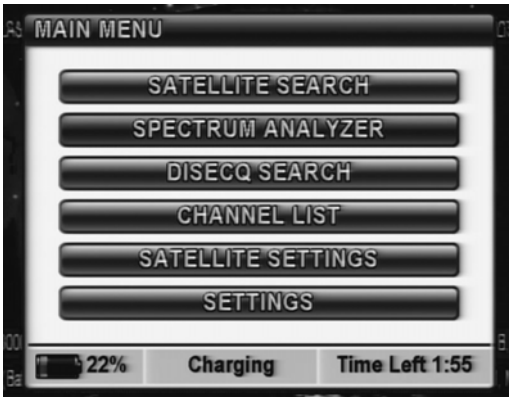
CHANNEL SEARH MENU :

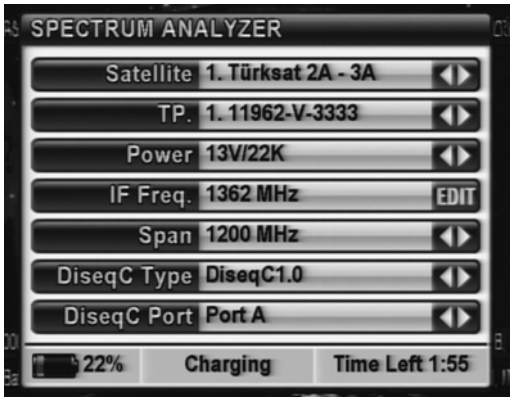
Please set your dish antenna at the highest level by using values available on screen of SIGNAL LEVEL. And then, press OK key so as to make NETWORK scanning of all satellite or single frequency or together with all satellite and you can receive channels into memory.



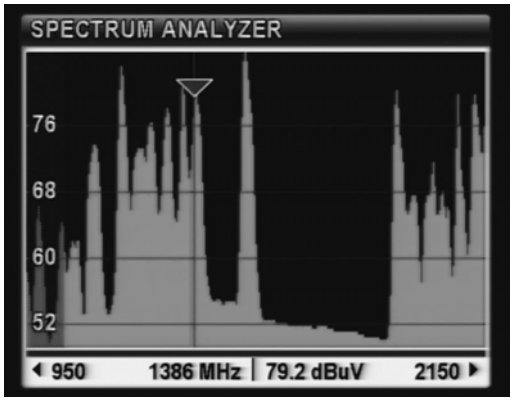


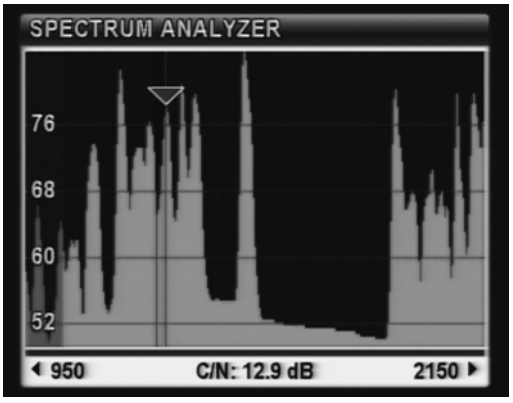
SPECTRUM ANALYZER MENU:



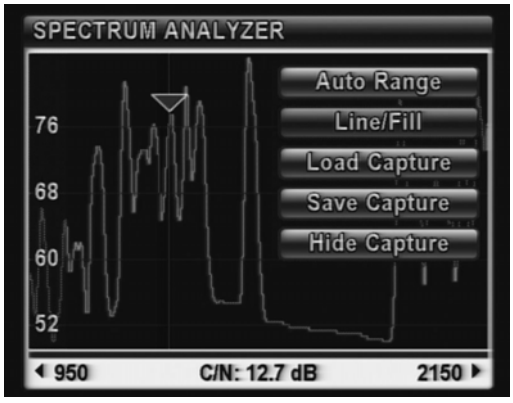


Select SPECTRUM ANALYZER from MAIN MENU by pressing MENU key. After satellite, LNB voltage, Scanning Width and Diseq-c settings are made, press OK key after you select your IF frequency.

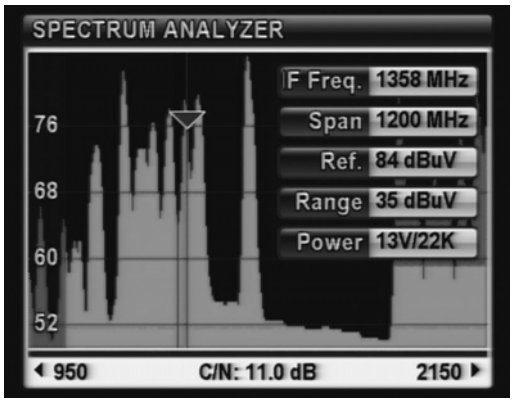


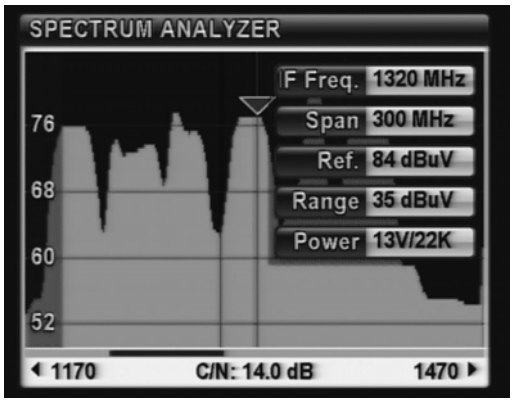


You can see IF frequency and power on the screen of SPECTRUM ANALYSIS. When you press LEVEL key once on this screen, C/N value will display on the screen.

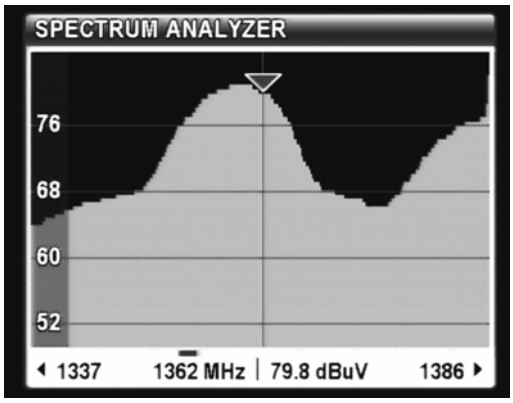


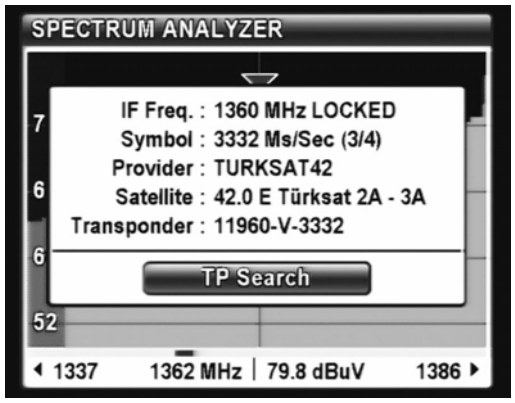
By pressing MENU key on the screen of SPECTRUM ANALYSIS, you can automatically fit levels, convert spectrum levels into lines, save SCANNING lines and display these lines from memory.



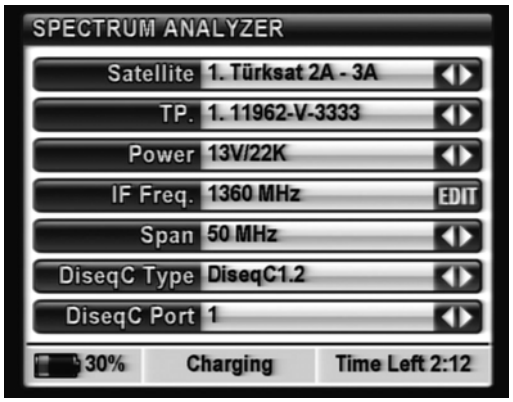


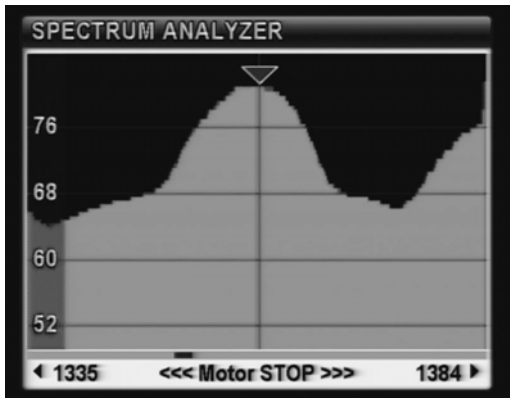
By pressing EDIT key on the screen of SPECTRUM ANALYSIS, YOU can change parameters such as FREQUENCY, BANDWIDTH, Maximum measurement value of screen, minimum measurement value of screen and LNB voltages.





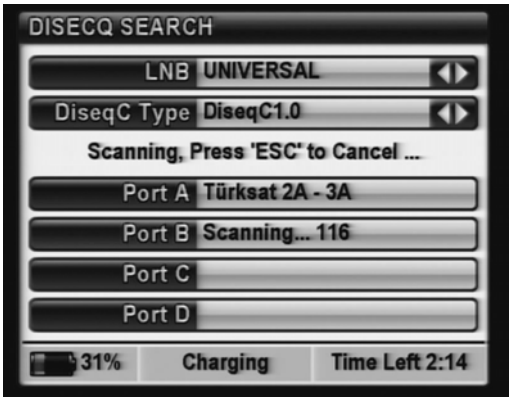
You can limit scanning bandwidth on the menu of SPECTRUM ANALYSIS. If you also mark the signal and press OK key, NETWORK SEARCH will be conducted. It will be automatically found the values of related TP and matching of dish antenna with satellite (under some sensitive circumstances, automatic network scanning can be out of order) If you press OK key again, Channel Scanning will be conducted.

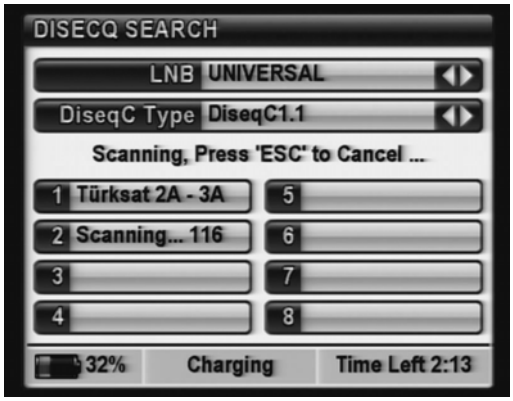




When you press MENU key and display screen settings of SPECTRUM ANALYSIS, if you display spectrum screen after selecting DiSEq-C 1.2 Engine, ENGINE screen will display at the bottom of the screen after you press LEVEL key. Due to right and left arrows, you can direct DiSEq-C engine towards EAST and WEST.

DiSEq-C SEARCH MENU:





After you select LNB type and ve DiSEq-C type from menu of DiSEq-C SCANNING and press OK key, you can see which satellite is connected at which port.

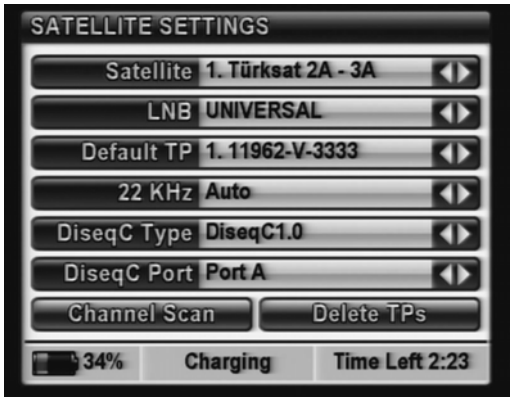
CHANNEL LIST :

After you press MENU key and mark box of CHANNEL LIST with OK, RADIO and TV channel list will display on the screen.

If you press MENU key when channel list is open, you can make SATELLITE selection and see channels pertaining to satellite selected by you.

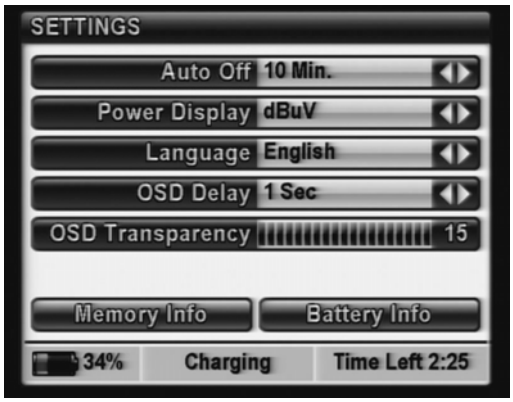
If you press EDIT key when channel list is open, you can delete channels and change their locations by moving the channels.

MENU OF SATELLITE DEFINITIONS:



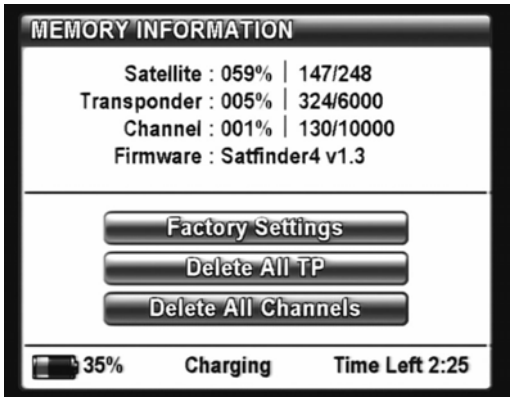
You can make settings of LNB and DiSEq-C on menu of Satellite Identifications and change DEFAULT TP selection used on menu of AUTOMATIC SCANNING. Thus, Satellite Search and settings used for other menus shall display from memory.

SETTINGS MENU:



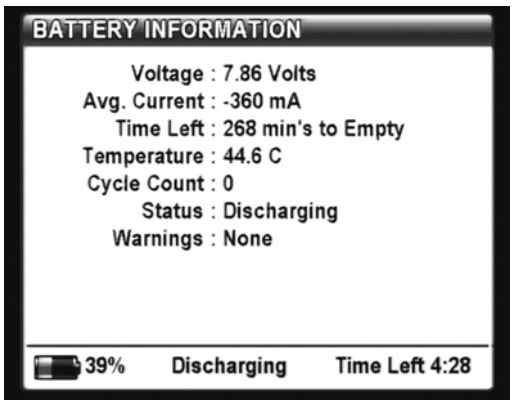
Settings that you will make on menu of SETTINGS shall allow convenience to you when using device.

MEMORY INFORMATION MENU:



You can see satellite, TP and channel number details on the menu of MEMORY INFORMATION together with detail about which software is installed on device. You can also restore the FACTORY DEFAULT SETTINGS and can completely delete TP and channels from this menu.

BATTERY INFORMATION MENU:



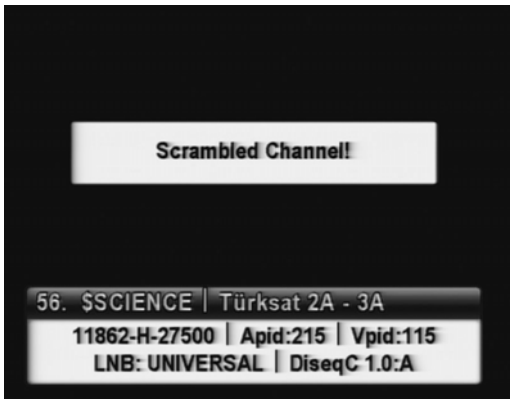
You can see rated current and battery values on the menu of BATTERY INFORMATION while charging device or operating the device with battery. Thus, you can see whether remaining period is sufficient or not. You can see warnings related to temperature and battery in device.

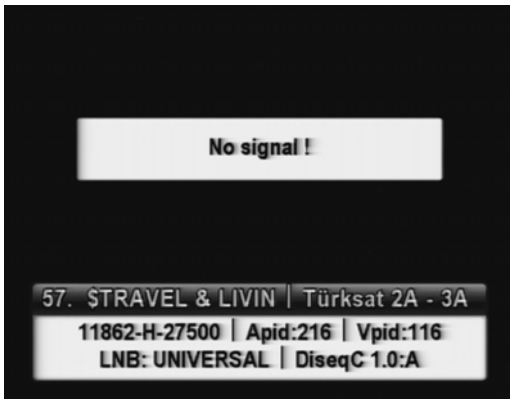
LEVEL INDICATIOR MENU :

When you press LEVEL key while watching selected channel, you can see on the displayed screen whether signal levels are sufficient or not.

MENU FOR COLOUR VALUES OF SCREEN:

When you press EDIT key on Channel display screen, settings menu respectively COLOUR, CONTRAST AND BRIGHTNESS will display on the screen. Thus, you can change screen values according to current light level.





If there is not any image on the screen, the CHANNEL may be encrypted or there is not sufficient signal level. The warning as above is displayed on the screen.

If you press POWER OFF key on any menu for a few seconds, device will be turned off automatically. When battery level is low or based on automatic shut-off time, device will be turned off automatically.

TROUBLESHOOTING:

In the case the screen and the device are not powered on, the following possibilities may have been the cause:

The charge of device has depleted. If the charger adapter is plugged in and wait for 10 minutes, it will have power

The ON/OFF switch of the device was not powered.

There may be short circuit on LNB or LNB cable. This may damage your device otherwise it is not covered by guarantee.

Your device may be damaged or broken down. Apply to your service or dealer in parallel with the Terms of Guarantee. Do not attempt to repair it on your own otherwise it is not covered by guarantee.

In the case the device can not be charged, the following possibilities may have been the cause:

Check that the LED lights on the charger and behind your device are ON. If the LED lights are not ON, adapters may not have been plugged in well or may have been broken down. When you plug in your charger, the battery indicator on the right side of LCD screen will appear as full.

Your device may be damaged or broken down. Apply to your service or dealer in parallel with the Terms of Guarantee. Do not attempt to repair it on your own otherwise it is not covered by guarantee.

In case after your satellite direction adjustment, there is no signal and quality indicator showing any level, the following possibilities may have been the cause:

Check that you made the dish antenna adjustment in correct direction.

Check that whether there is such a tree, building or electric mast before dish antenna

Check that you made correct LNB selection on menu. Quit the menu and check your LNB adjustment again and the LNB values on your dish antenna.

Check that you made correct satellite selection on menu. Quit the menu and check the related satellite adjustment again.

Check that whether the frequency you entered is not used anymore. Check the frequency on www.flysat.com and you can load the current frequencies by the downloader application Satfinder4 (www.satfinder4.de)

Check that your LNB cable is short circuited or contact problem.

Your LNB may have been broken down.

Your device may be damaged or broken down. Apply to your service or dealer in parallel with the Terms of Guarantee. Do not attempt to repair it on your own otherwise it is not covered by guarantee.

TECHNICAL PROPERTIES :

• IF 950 Mhz – 2150 Mhz • 2 Mb Flash Memory • 2000 Frequency Memory • 2000 – 45000 Baud • Automatic FEC • Entry -65 dBm ~ -25dBm • Automatic 22Khz • All Lnb types • Convertible LOF • Convertible TP frequency • Lnb feeding LnbP21PD • Diseq-C 1.0 - 1.2 Engine • 950-2150 mhz Spam Spectrum • BER , C/N and Power Levels • 3.5” 960x420 LCD Screen • 9cm x 15cm x 10cm • 900 gr Net • 13V & 18V (+- 1V) • 500-600 mA LNB CURRENT • 1950maH 14.8V Lit-Ion Battery • 3-hour-long battery period • 220V AC / 12V DC / 800mAH • F type convertible connector • Loading software via USB • Windows 98/Xp/Vista Supporting • Sharp Tuner • 6 Languages option • User friendly menu • Quick Software Support • SMD Component	- 3.5" Lcd Screen - Broadcast Monitoring from LCD screen - 200mhz processor - 2mB Memory - Software from USB - Fast and Precise Navigation - Direction setting according to satellite - Full Band Spectrum Analyzer - Manual Frequency Change - Manual LOF Change - Protection against short circuit - Sharp 0502 Tuner - Diseq-c Switch Support - Auto Diseqc Search - Multiswitch Support – One year of guarantee - 6 different languages option - Quick charging in 2 hours - 3-hour-long Lit-İon Battery period - Quick Channel Change - Easy Keyboard - Camera input from A/V - Long-lasting bag - 15cm x 10cm x 9cm - Signal and power level - BER , C/N , dBuV level - Frequencies of 64 satellites - Memory of 2000 frequencies - Loading frequency from Pc - Lightweight and easy carriage